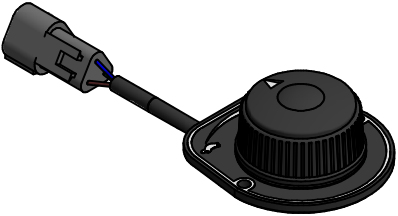
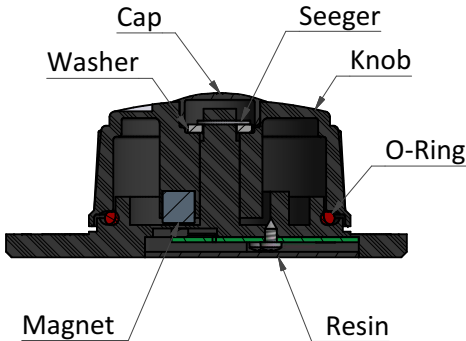
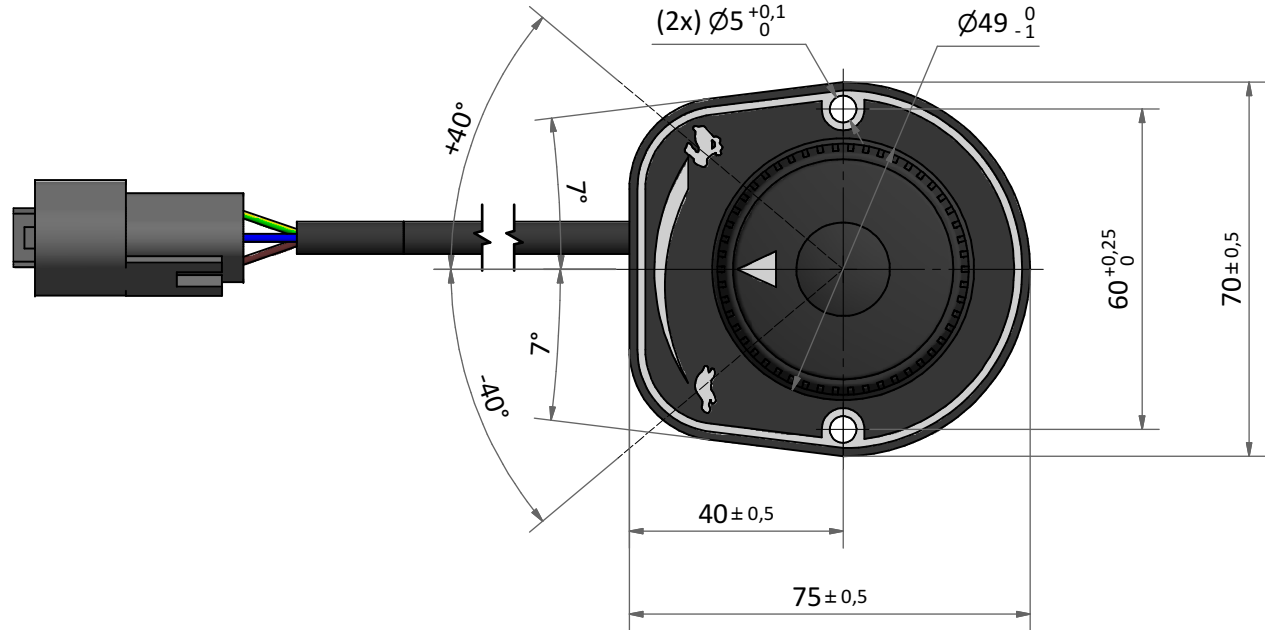
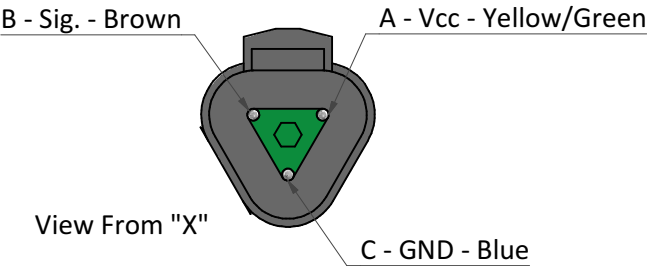
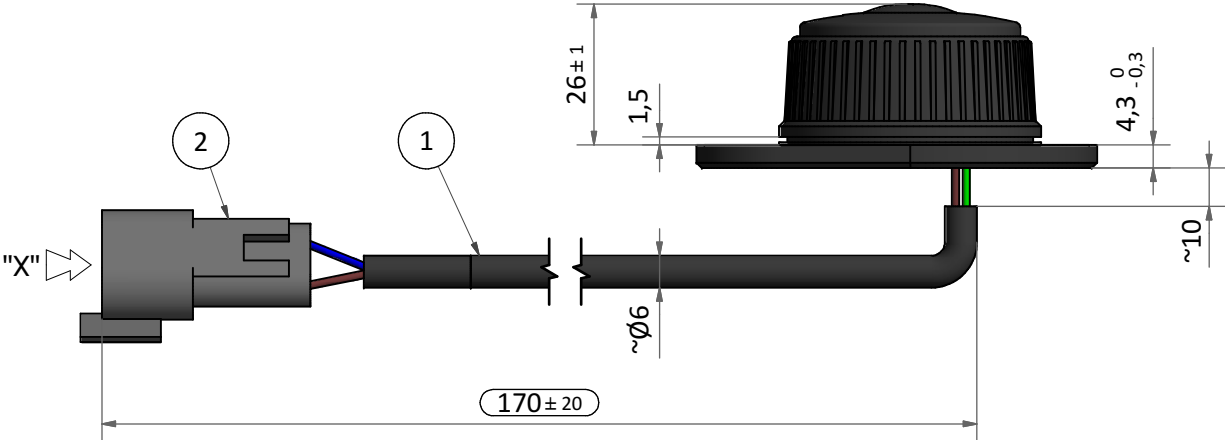


■ Hall Effect Accelerator Knob

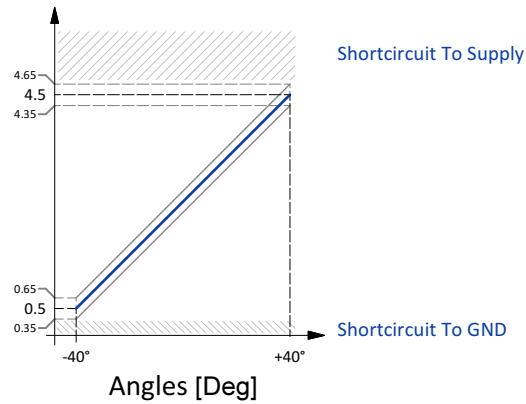


Ref.	Description	Operating Temperature (°C)
1	HT 105 Cable	-25 / +105
2	Deutsch DT04-3P 3 Pins Connector	-55 / +125

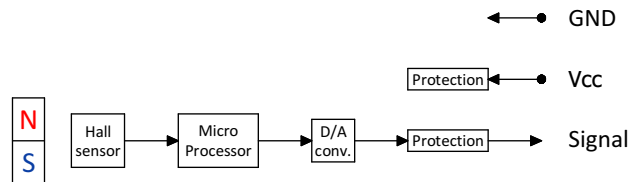
 ELEN industrial vehicles sensors				www.elensrl.com		Elen Srl - Garbagnate Milanese (MI)			
				Part Number:		AA020580			
				Description:		Accelerator Knob			
Rev.	Date	Sign.	Review Description						
1	07/06/2011	FP	Updated Graphic Part						
2	28/08/2018	ML	Re-Issued For New Organiz.(New El.Board)						
			Designed		11/11/2008	Fabio Scali	Scale :		1 : 1 (A3 format)
			Checked		28/08/2018	Roberto La Capruccia	Dimensions without tolerance indication: ISO 2768 - m		
			Approved		28/08/2018	Roberto La Capruccia		Units mm	Page 1 / 2

■ Output Signal

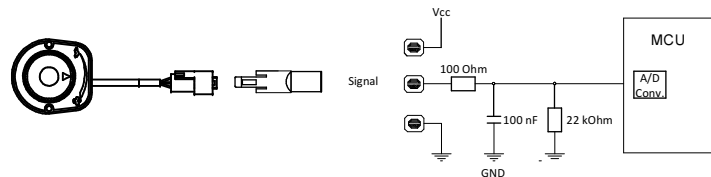
Signal (V) @Vin = 5V



■ Functional Scheme



■ Typical Application ②



■ Technical Specifications ②

	Specific	Value	Standard Reference
Electrical	Power Supply (Vcc)	4.5V Min ÷ 5.5V Max	PDV Rev. 3 - P. 5.1;
	Output Current	1 mA Max	PDV Rev. 3 - P. 5.5;
	Supply Current (No Load)	30 mA Max	PDV Rev. 3 - P. 5.2;
	Output Signal	Linear 0,5V@-40° ÷ 4,5V@+40°	-
	Overload Protection	1.2mA For 1h	PDV Rev. 3 - P. 5.6;
	Overvoltage Protection	6.5V For 1h	PDV Rev. 3 - P. 5.7;
	Temperature Operating Voltage	5.5V @80°C For 1h	PDV Rev. 3 - P. 5.8;
	Reverse Polarity Protection	-5.5V For 1h	PDV Rev. 3 - P. 5.3;
	Shortcircuit Protection	To Ground For 5' ; To Supply For 5'	PDV Rev. 3 - P. 5.4;
	Insulation Resistance	1000MΩ@500V	PDV Rev. 3 - P. 5.10;
	Dielectric Rigidity	750V@50Hz For 60s	PDV Rev. 3 - P. 5.11;
	ESD Protection	±8kV Contact; ±15kV Air	EN 61000-4-2;
	Linearity	±1%	-
	Resolution	<12 bit	-
	Maximum Load Recommended Output	>4.7 kOhm	-
Environmental	Operating Temperature	-30°C ÷ +80°C	IEC 60068-2-14; IEC60068-2-1; IEC60068-2-2; IEC60068-2-30;
	Storage Temperature	-40°C ÷ +100°C	IEC 60068-2-14; IEC60068-2-1; IEC60068-2-2; IEC60068-2-30;
	Degree Of Protection	IP67	IEC 60529
	Vibrations Resistance - Random	f=10Hz@PSD=1.44g ² /Hz; f=100Hz@PSD=3.85 g ² /Hz; f=1000Hz@PSD=3.85g ² /Hz; f=2000Hz@PSD=0.96g ² /Hz; 3 Axes - 24h for Axis	IEC 60068-2-6; ENS 0310 Rev J;
	Vibrations Resistance - Sine	(5÷12.87)Hz@Displacement=±15mm, (12.87÷200)Hz@dis±15mm@5g, 1Octave/min, 20 Sweep Cycles	IEC 60068-2-6;ISO 15998;
	EMC Compatibility - Magnetic Field Imm.	15Hz ÷ 150 kHz	ISO11452-8:2007;
	EMC Compatibility - BCI	BCI Class "A" - 100mA; (1÷400)MHz	ISO11452-4;
Mech.	Body Material	Nylon 6.6 GF	-
	Tightening Torque	7 Nm	-